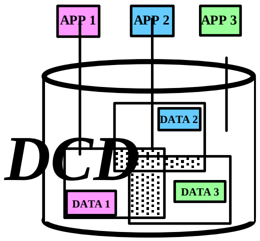
DFAS “To Be” Concept for End-to-End Procurement Process

End-to-End Procurement Process

- Funds Distribution
  - Interim Environment
    - Funding data is directly input to DCD staging table where high-level edits (i.e., mandatory requirements / data integrity) are performed, fiscal code (BACC) data is validated, and funds control ceilings / targets are established within DCD.
    - Upon passing necessary edits, funds control ceilings / targets are established, and associated SGL proforma entries are updated in DCD.

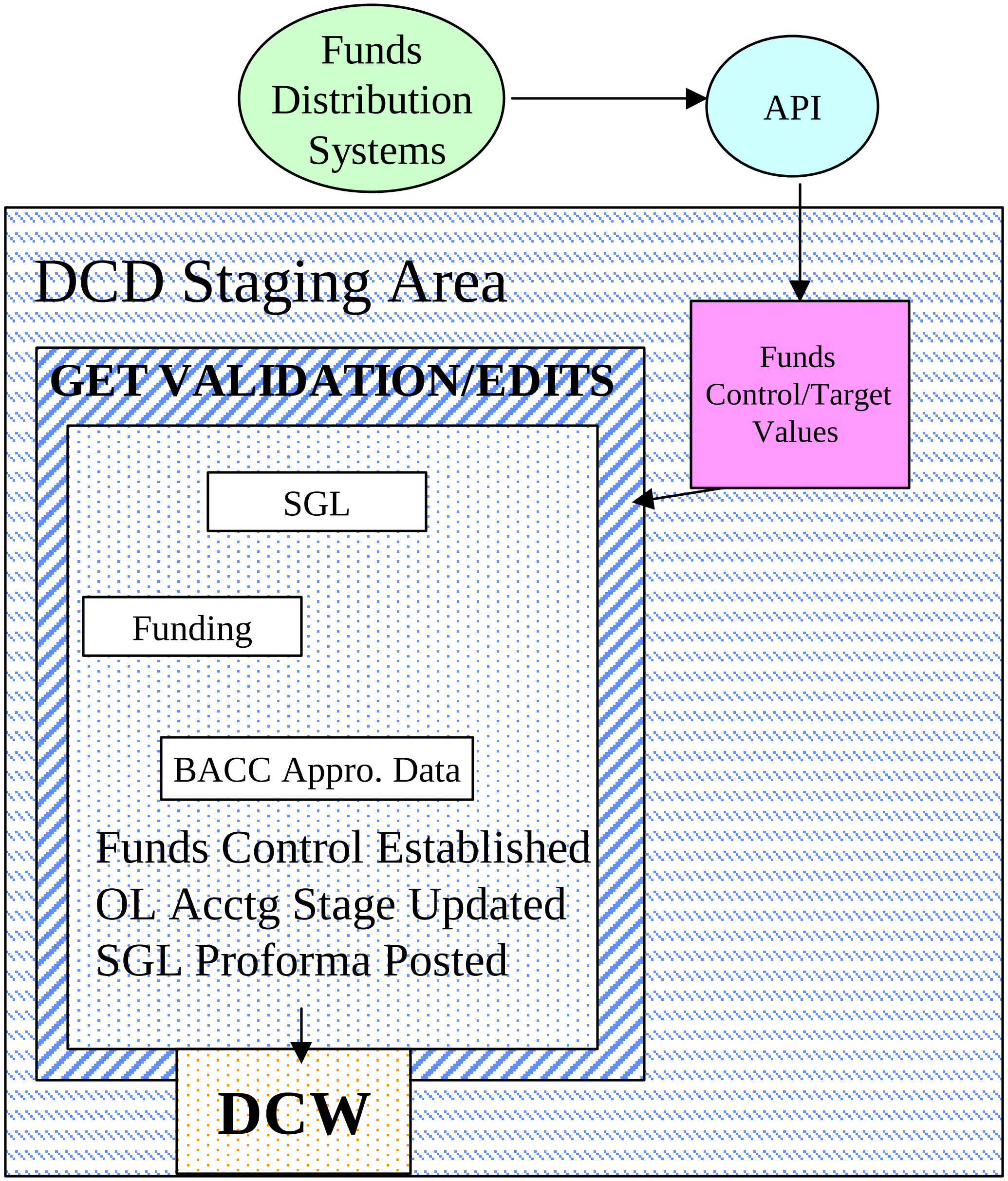


Funds Distribution

- Transaction is transmitted to DCD via API to staging table where high-level edits (i.e., mandatory requirements / data integrity) are performed, fiscal code (BACC) data is validated, and funds control applied within DCD.

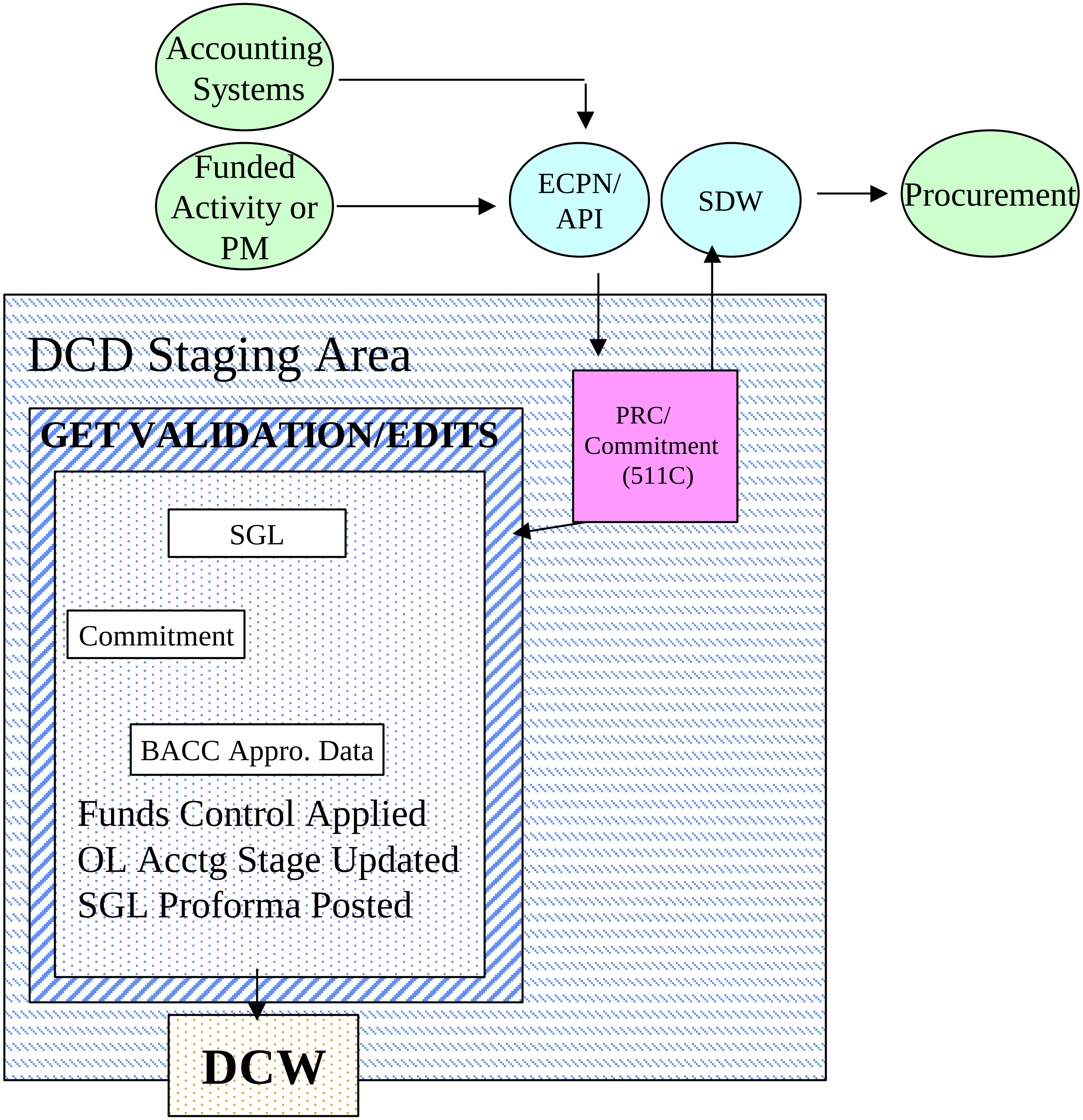
- Upon passing necessary edits, funds control ceilings / targets are established, and associated SGL proforma entries are updated in DCD.

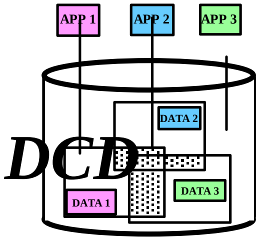
- Note: Throughout entire end-to-end process, if a transaction fails edits / validation, it is rejected and either placed in a suspense table to await on-line correction by user (i.e., user notified via email that transaction has suspensed), or it is transmitted back to originating source via a 824 EDI transaction for correction and resubmission.


Funds Distribution Systems
API
DCD Staging Area
Funds Control/Target Values
GET VALIDATION/EDITS
SGL
Funding
BACC Appro. Data
Funds Control Established
OL Acctg Stage Updated
SGL Proforma Posted
DCW

Purchase Requisition/Commitment

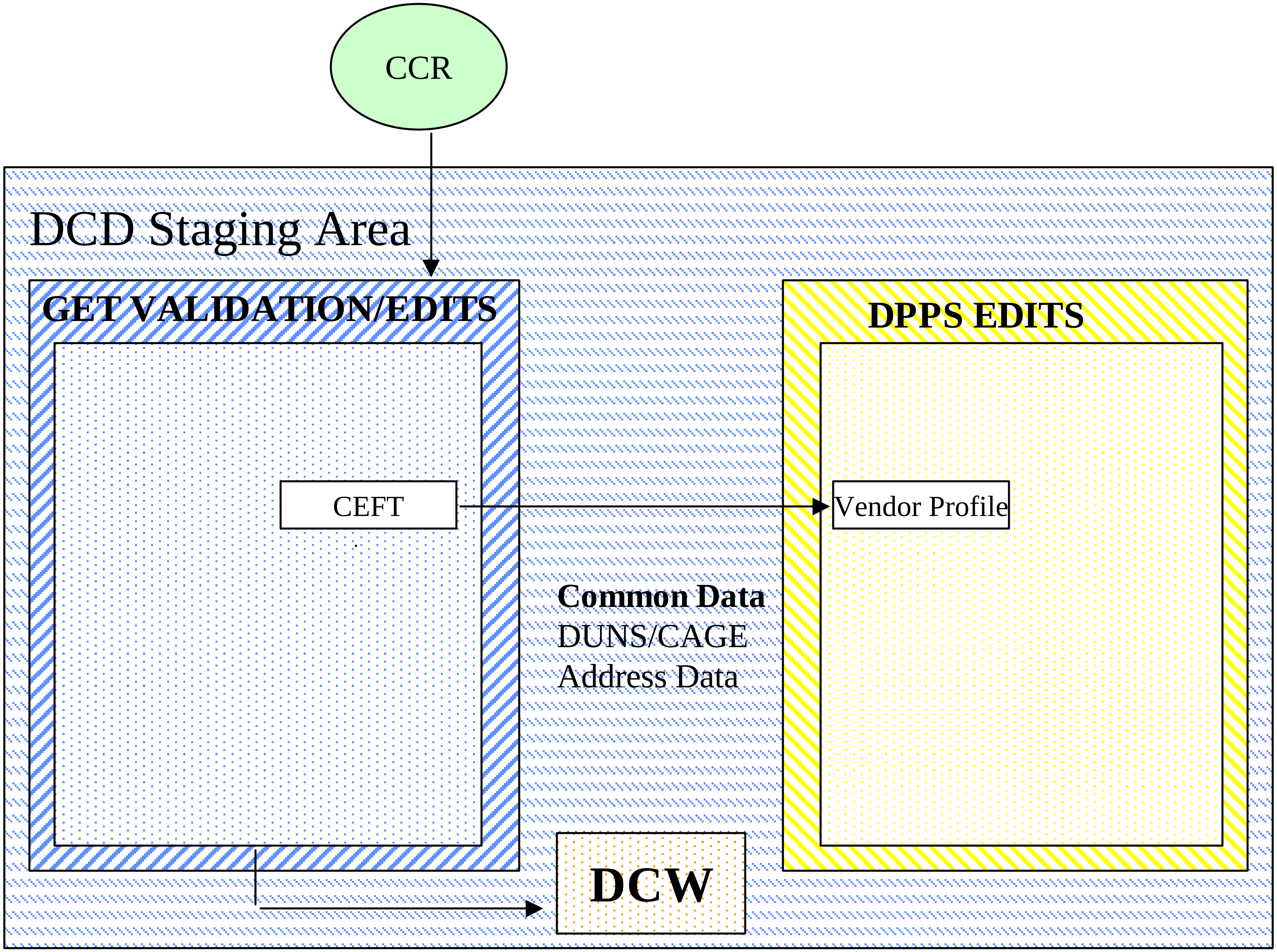
- Transaction is transmitted to DCD via ECPN / API, or direct input, to staging table where high-level edits (i.e., mandatory requirements / data integrity) are performed, fiscal code (BACC) data is validated, and funds control applied within DCD.
- Upon passing necessary edits, commitment transaction and associated SGL proforma entries are updated in DCD.
- Transaction is passed to Shared Data Warehouse for transmission to Standard Procurement System (SPS).

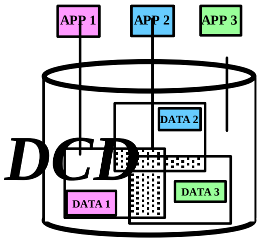

Accounting Systems
Funded Activity or PM
ECPN/ API
SDW
Procurement
DCD Staging Area
GET VALIDATION/EDITS
PRC/ Commitment (511C)
SGL
Commitment
BACC Appro. Data
Funds Control Applied
OL Acctg Stage Updated
SGL Proforma Posted
DCW



EFT/Check Remittance Data

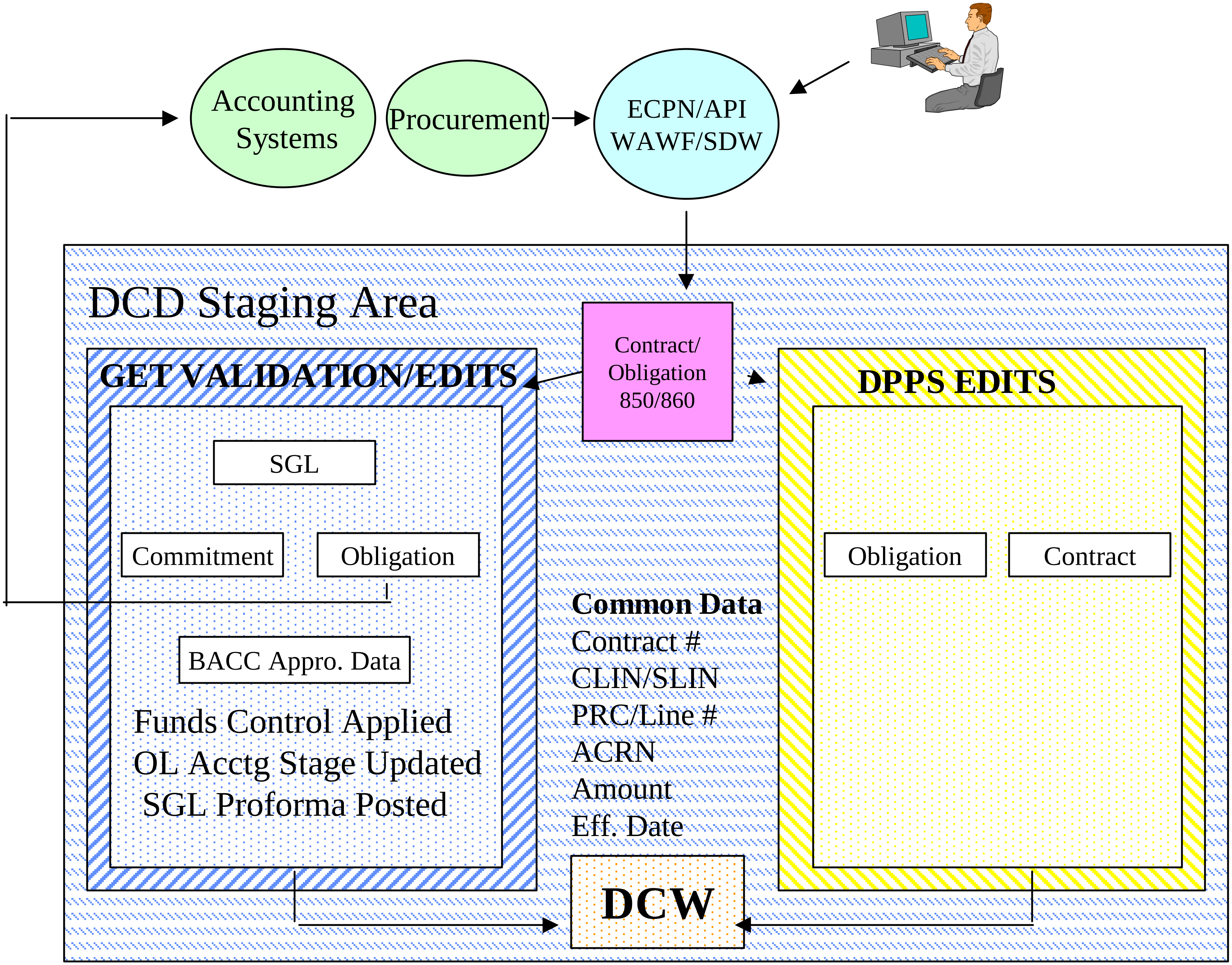
- Transaction is transmitted to DCD from Centralized Contrator Registration (CCR) table where high-level edits (i.e., mandatory requirements / data integrity) are performed and information is populated in Corporate EFT within DCD.
- Applicable data is passed via API from DCD to DPPS at point of contract award to meet business processing requirements.


CCR
DCD Staging Area
GET VALIDATION/EDITS
CEFT
DPPS EDITS
Vendor Profile
Common Data
DUNS/CAGE
Address Data
DCW



Contract/Obligation (850/860 EDI Transaction)

- Transaction is transmitted to DCD via ECPN (i.e., EDI, Web Application, Wide Area Work Flow (WAWF) (e.g., EDA / EDM)) or SDW (i.e., data replication) to staging table where high-level edits are performed and it is matched via record keys (i.e., PR&C and Line Number) to commitment in DCD, validated and funds control applied. Transaction is also subjected to contractual edits by DPPS.
- Upon passing necessary edits, transaction history and associated SGL proforma entries are updated in DCD, and contract data and obligation is populated in DPPS.
- Fiscal Code (BACC appropriation data) is maintained only in in DCD. Common data between DCD and DPPS is minimized (e.g., detail transaction identification data).
- Where required, obligation data is additionally transmitted via DCD to applicable accounting system.



Accounting Systems

Procurement

ECPN/API
WAWF/SDW

DCD Staging Area

Contract/
Obligation
850/860

GET VALIDATION/EDITS

SGL

Commitment

Obligation

BACC Appro. Data

Funds Control Applied
OL Acctg Stage Updated
SGL Proforma Posted

Common Data
Contract #
CLIN/SLIN
PRC/Line #
ACRN
Amount
Eff. Date

DPPS EDITS

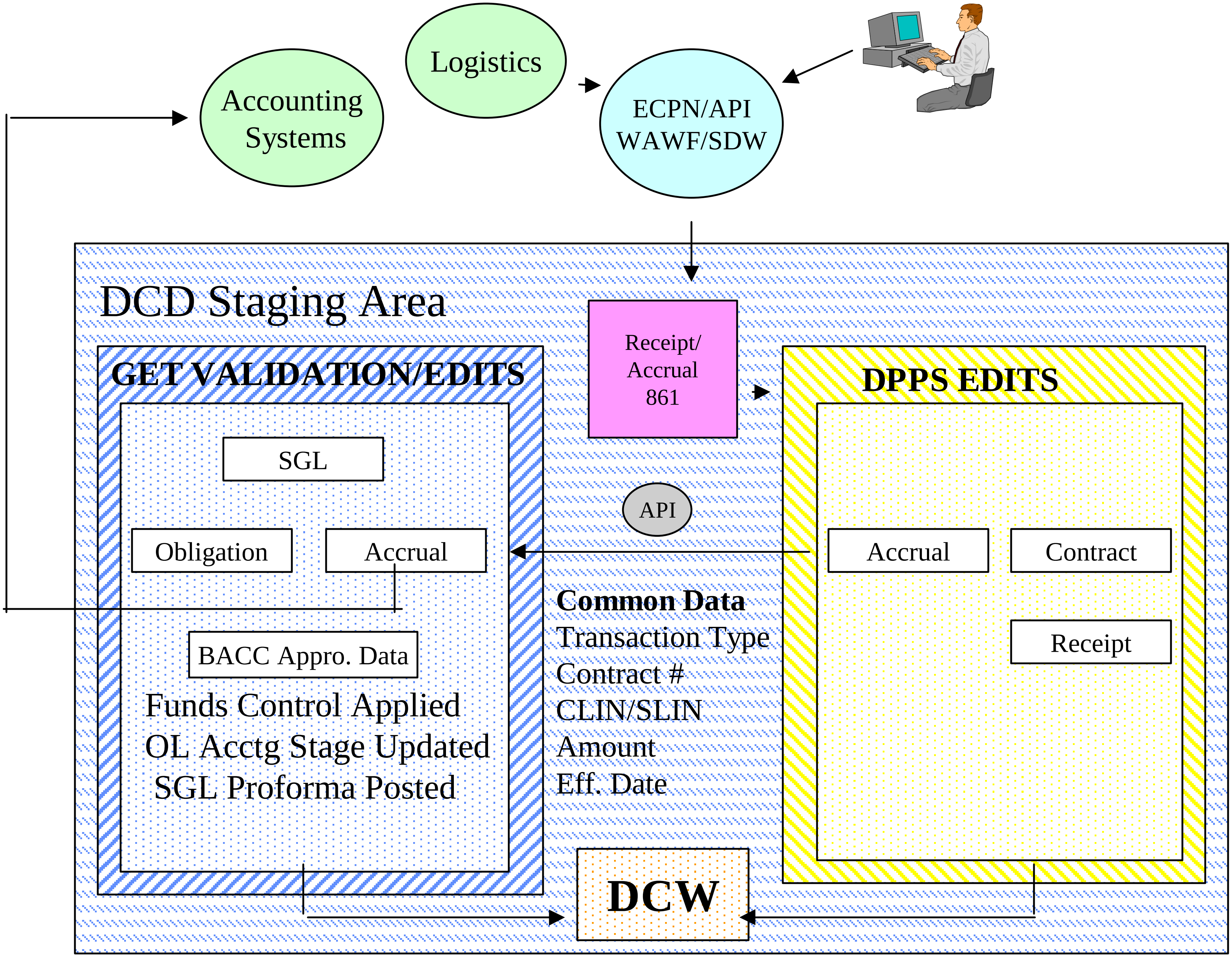
Obligation

Contract

DCW

Receiving Report/Accrual (861/856 EDI Transaction

- Transaction is transmitted to DCD via ECPN (i.e., EDI, Web Application, Wide Area Work Flow (WAWF) (e.g., EDA / EDM)) or SDW (i.e., data replication) to staging table where high-level edits and DPPS application edits are performed.
- Upon passing necessary edits, receipt data is populated in DPPS. Accrual data is read / transmitted via API to DCD for update to transaction history and associated SGL proforma entries.
- Where required, accrual data is additionally transmitted via DCD to applicable accounting system.



Accounting Systems

Logistics

ECPN/API WAWF/SDW

DCD Staging Area

GET VALIDATION/EDITS

SGL

Obligation

Accrual

BACC Appro. Data

Funds Control Applied

OL Acctg Stage Updated

SGL Proforma Posted

Receipt/ Accrual 861

API

Common Data

Transaction Type

Contract #

CLIN/SLIN

Amount

Eff. Date

DPPS EDITS

Accrual

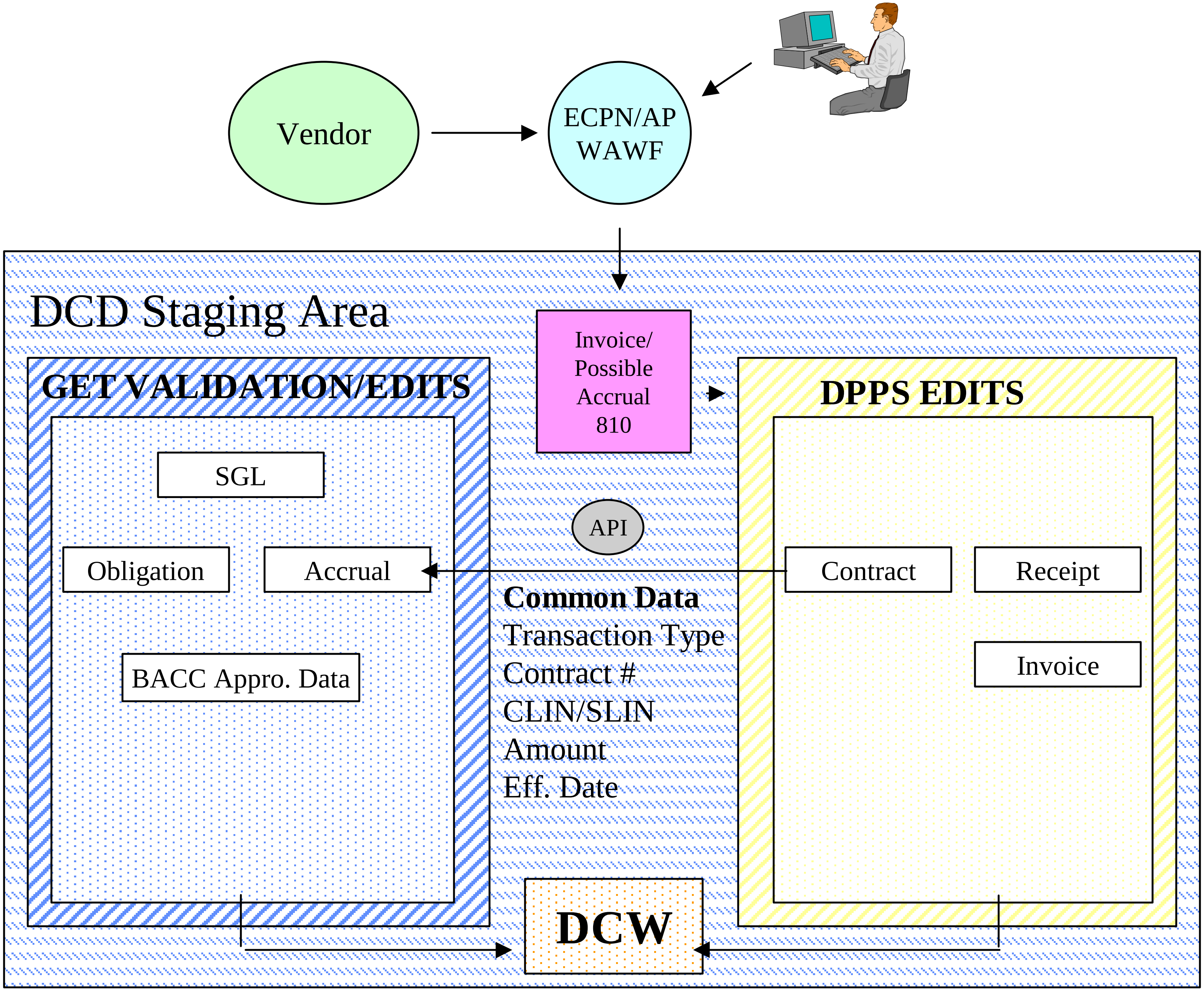
Contract

Receipt

DCW

Invoice
(810 EDI Transactions)

- Transaction is transmitted to DCD via ECPN (i.e., EDI, or Web Application, Wide Area Work Flow (WAWF) (e.g., EDA/EDM)) to staging table where high-level edits and DPPS application edits are performed. Where applicable, DCAA certification will be performed on-line to DCD or DPPS.
- Upon passing necessary edits, invoice data is populated in DPPS. Where applicable (e.g., Fast Pay/Progress Pay invoices) accrual and/or work-in-process data is read/transmitted via API to DCD for update to transaction history and associated SGL proforma entries.
- Where required, accrual and/or work in-process data is additionally transmitted via DCD to applicable accounting system.



Vendor

ECPN/AP
WAWF

DCD Staging Area

Invoice/
Possible
Accrual
810

GET VALIDATION/EDITS

SGL

Obligation

Accrual

BACC Appro. Data

API

Common Data
Transaction Type
Contract #
CLIN/SLIN
Amount
Eff. Date

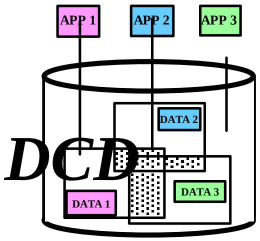
DPPS EDITS

Contract

Receipt

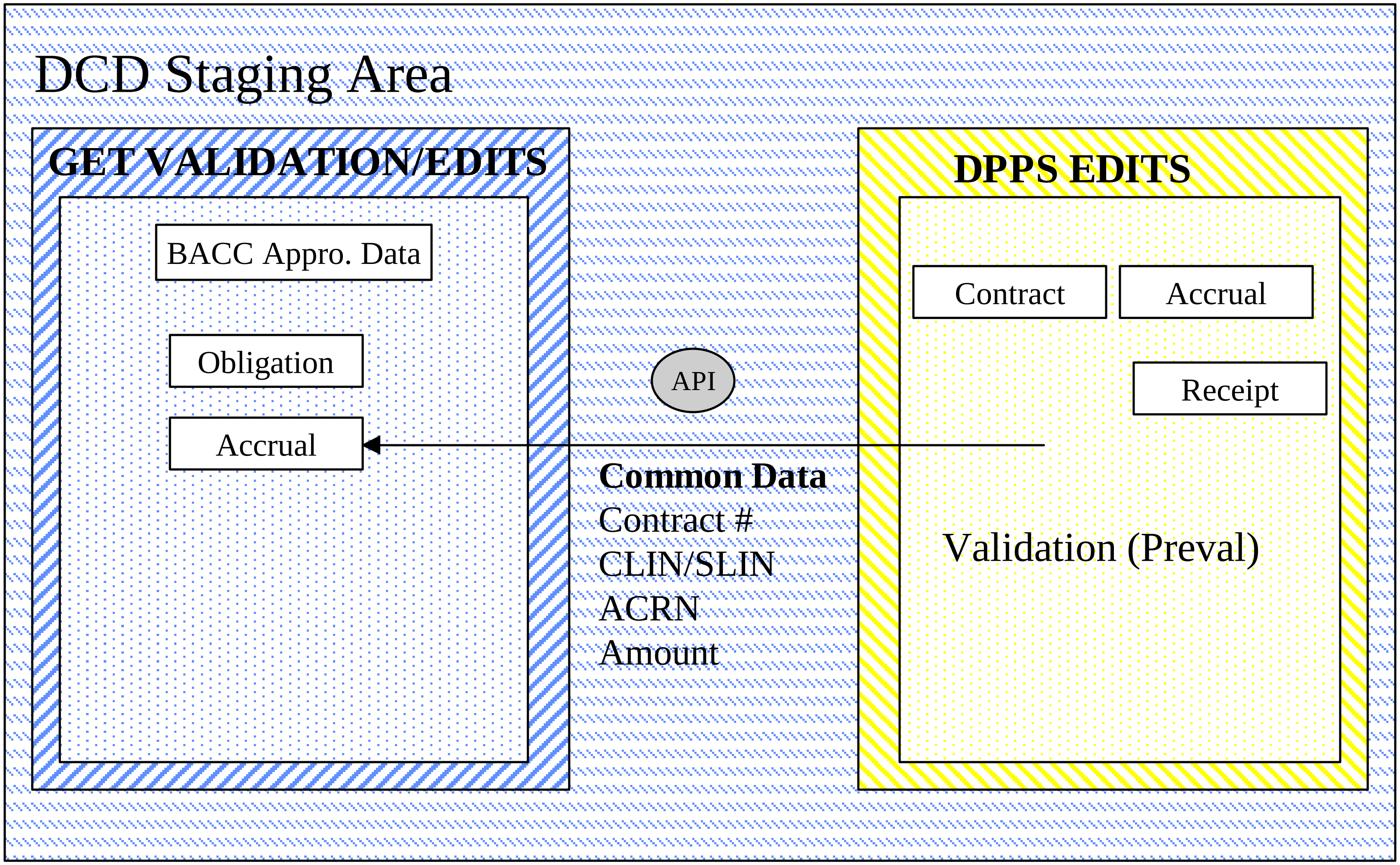
Invoice

DCW


APP 1
APP 2
APP 3
DATA 2
DCD
DATA 3
DATA 1

Prevalidation

- Official obligation (contract / vendor pay) resides in DCD which corresponds to contract amount residing in DPPS. Prevalidation (now actually validation) is accomplished via default (i.e., contract and obligation amount are same).



DCD Staging Area

GET VALIDATION/EDITS

BACC Appro. Data

Obligation

Accrual

API

Common Data

Contract #

CLIN/SLIN

ACRN

Amount

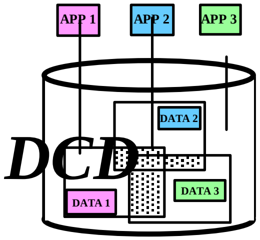
DPPS EDITS

Contract

Accrual

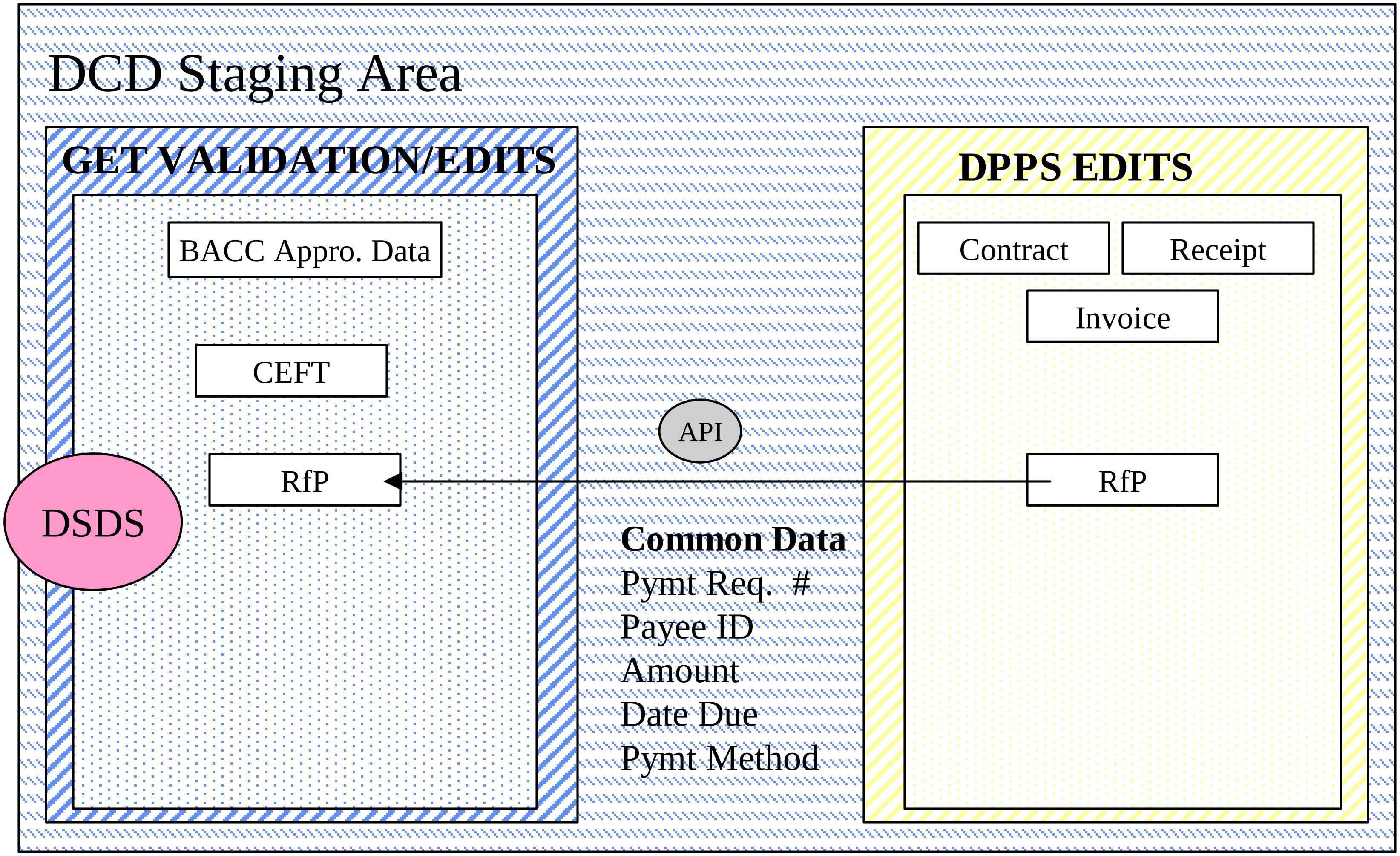
Receipt

Validation (Preval)



Computation of Request for Payment (RfP)

- Applicable RfP data is read / passed via API from DPPS to DCD for payment by DSDS (Note: This may be accomplished at any point after RfP computation has been performed and payment due date assigned. Cash Management is performed by DPPS). Match is made on Payee ID between RfP and CEFT to obtain vendor EFT / check remittance data. At payment due date, disbursement is processed via DSDS.
- Note: Official vendor profile (e.g., EFT / check remittance data) is maintained only in CEFT within DCD. Record key is Payee ID (e.g., DUNS and / or CAGE Code).



DCD Staging Area

GET VALIDATION/EDITS

BACC Appro. Data

CEFT

RfP

DSDS

API

DPPS EDITS

Contract

Receipt

Invoice

RfP

Common Data

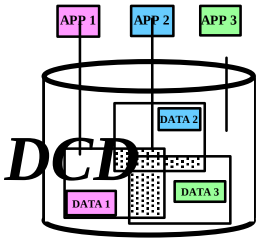
Pymt Req. #

Payee ID

Amount

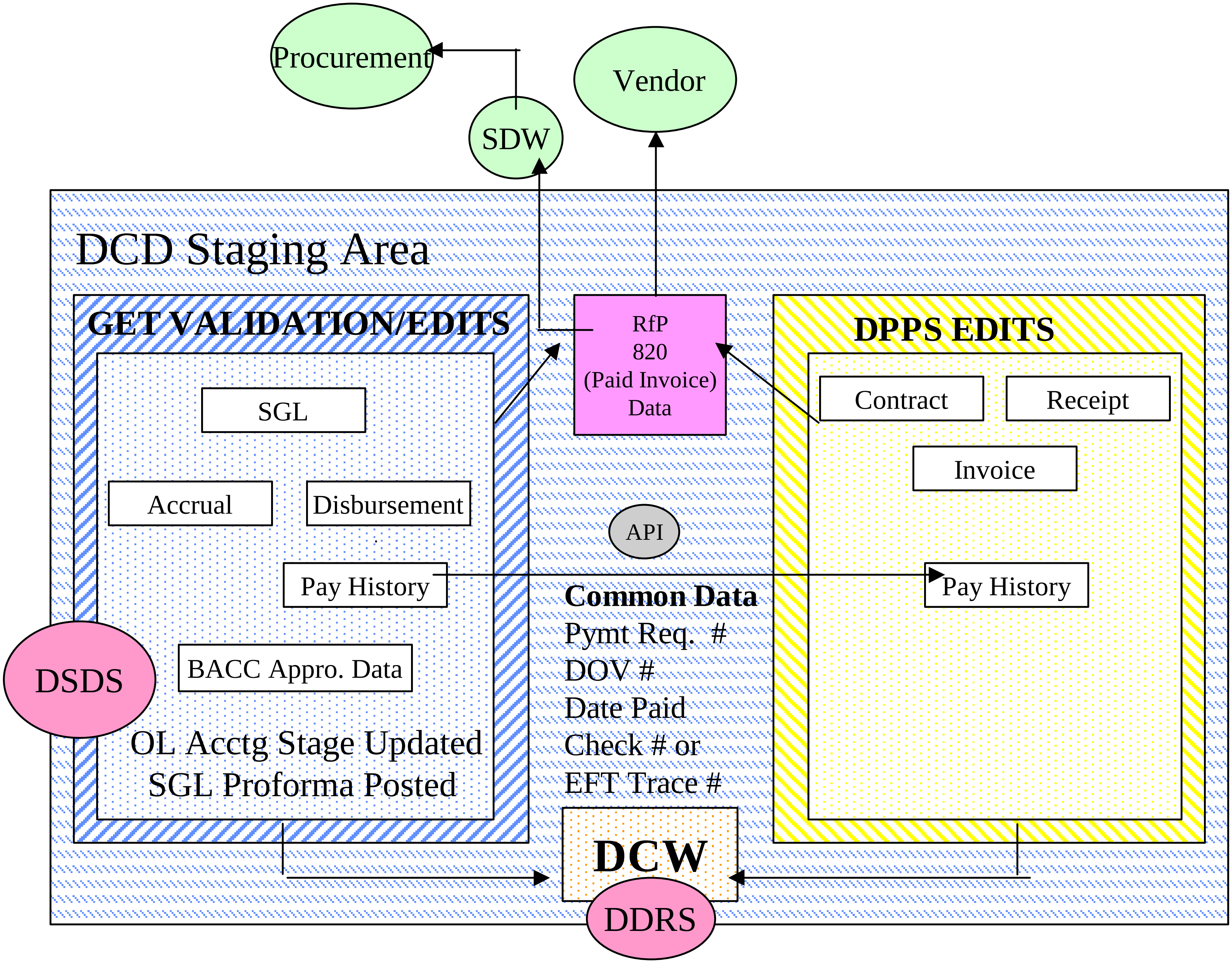
Date Due

Pymt Method



Payment History and Expenditure Transaction

- Payment History data is populated via DSDS in DCD where transaction history and associated SGL proforma entries are updated. Applicable data is read / passed via API to DPPS for population of payment history and disbursement.
- Process is executed via DSDS to generate remittance advice (i.e., 820 EDI transaction) for vendor from data maintained in DCD and DPPS. This may be accomplished from RfP staging table after updating with applicable payment history data (e.g., DOV #, etc.), or from DCW. Remittance (Paid Invoice) data will also be available via Web, and will be transmitted to SDW for update to SPS.
- Where required, expenditure data is additionally transmitted via DCD to applicable accounting system for liquidation of obligation.


Procurement
SDW
Vendor
DCD Staging Area
GET VALIDATION/EDITS
SGL
Accrual
Disbursement
Pay History
BACC Appro. Data
OL Acctg Stage Updated
SGL Proforma Posted
DSDS
RfP
820
(Paid Invoice)
Data
API
DPPS EDITS
Contract
Receipt
Invoice
Pay History
DCW
DDRS

Common Data

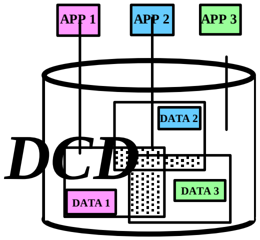
Pymt Req. #

DOV #

Date Paid

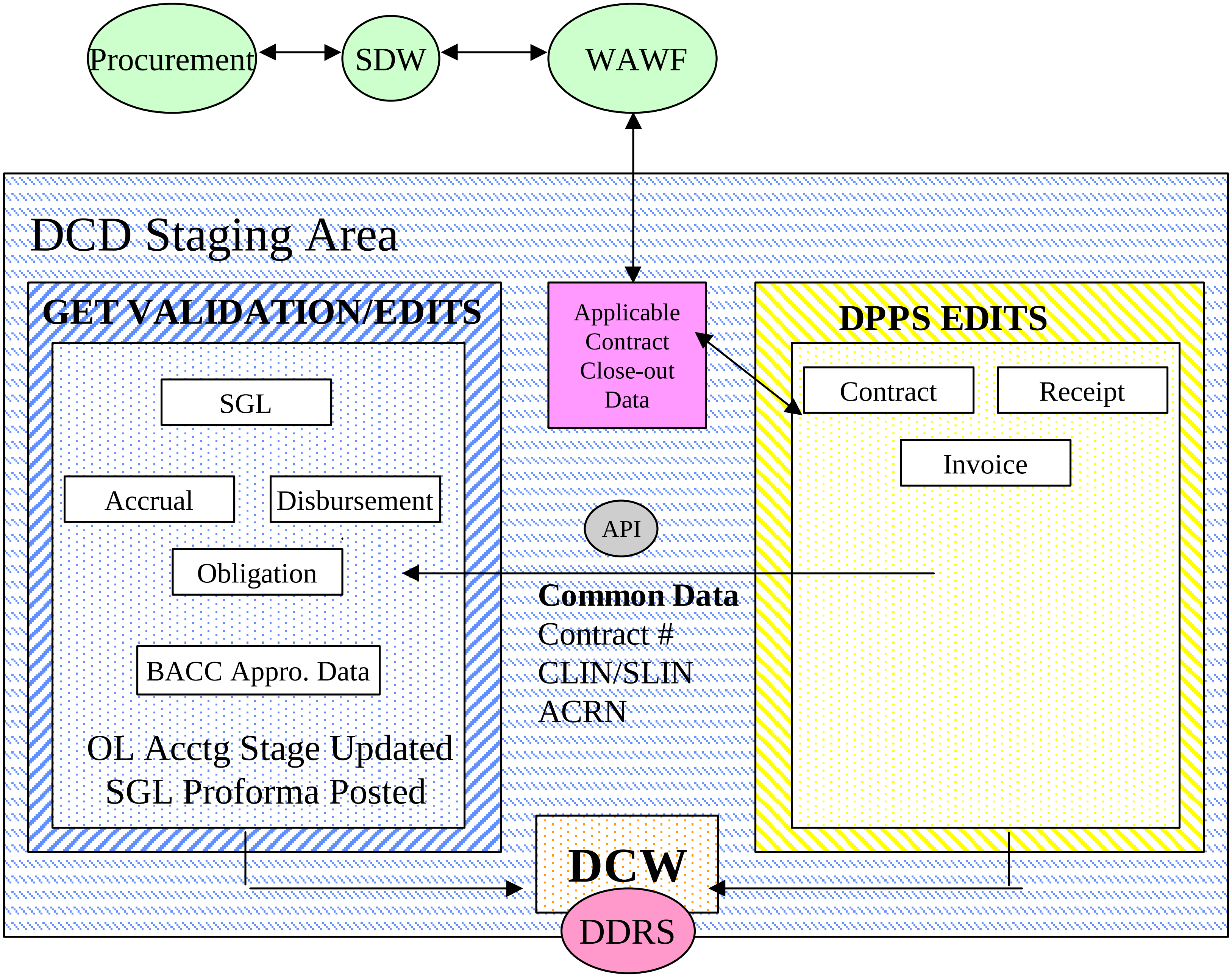
Check # or

EFT Trace #



Contract Close-out

- All applicable contract close-out information is captured and documented in Wide Area Work Flow (WAWF) for subsequent transmission to appropriate application (e.g., SPS, DPPS, Accounting System) for final disposition. Upon completion of process, applicable data is passed via API from DPPS to DCD for final update to transaction history and associated SGL proforma entries, to include de-obligation of excess funds.
- Where required, de-obligation data is additionally transmitted via DCD to applicable accounting system for record close-out.


Procurement
SDW
WAWF
DCD Staging Area
GET VALIDATION/EDITS
SGL
Accrual
Disbursement
Obligation
BACC Appro. Data
OL Acctg Stage Updated
SGL Proforma Posted
Applicable Contract Close-out Data
API
Common Data
Contract #
CLIN/SLIN
ACRN
DPPS EDITS
Contract
Receipt
Invoice
DCW
DDRS